## Contents of Volume 106

Abad JP → Losada A Abe S → Fujiwara A Abramova NA → Sharp EJ Adler PN → Sharp EJ Akhmanova A, Miedema K, Wang Y, Bruggen M van, Berden JHM, Moudrianakis EN, Hennig W: The localization of histone H3.3 in germ line chromatin of Drosophila males as established with a his-

tone H3.3-specific antiserum 335 Alatortsev VE → Tolchkov EV Al-Gazali L → Fisher AM Allis CD → Hendzel MJ

Alsheimer M, Imamichi Y, Heid H, Benavente R: Molecular characterization and expression pattern of XY body-associated protein XY40 of the rat 308

Amabis JM → Stocker AJ Andronico F → De Lucchini S

Aquiles Sanchez J, Karni RJ, Wangh LJ: Fluorescent in situ hybridization (FISH) analysis of the relationship between chromosome location and nuclear morphology in human neutrophils 168

Aragón-Alcaide L, Reader S, Miller T, Moore G: Centromeric behaviour in wheat with high and low homoeologous chromosomal pairing 327

Axelman J → Fisher AM

Ayoub N, Richler C, Wahrman J: Xist RNA is associated with the transcriptionally inactive XY body in mammalian male meiosis 1

Badawy GMI → Wallace H Baranczewski P → Belyaev ND Barber JCK → Fisher AM Barlow AL, Hultén MA: Sequential immunocytogenetics, molecular cytogenetics and transmission electron microscopy of microspread meiosis I oocytes from a human fetal carrier of an unbalanced translocation 293

Bazett-Jones DP → Hendzel MJ Belyaev ND, Houben A, Baranczewski P, Schubert I: Histone H4 acetylation in plant heterochromatin is altered during the cell cycle 193

Beiyaeva ES, Koryakov DE, Pokholkova GV, Demakova OV, Zhimulev IF: Cytological study of the brown dominant position effect 124

Benavente R → Alsheimer M Benavente R → Kralewski M Berden JHM → Akhmanova A

Berger C, Horlebein A, Gögel E, Grummt F: Temporal order of replication of mouse ribosomal RNA genes during the cell cycle 479

Bezdek M → Glyn MCP

Bezděk M → Matyášek R

Biessmann H, Mason JM: Telomere maintenance without telomerase 63

Blanco A → Galasso I Blomberg  $P \rightarrow Ward JG$ Boccardo E → Folle GA Bonaccorsi S → Tolchkov EV Bouffler SD → Slijepcevic P Boutouil M → Drouin R Brinkley BR → Hendzel MJ Bruggen M van → Akhmanova A Bryant PE → Slijepcevic P Buchman AR → Reimer SK

Casarégola S, Feynerol C, Diez M, Fournier P, Gaillardin C: Genomic organization of the yeast Yarrowia lipolytica 380 Chan EKL → Furuta K Chen DJ → Moens PB Clarke DJ → Giménez-Abián JF Cockwell AE → Fisher AM Cooke CA, Schaar B, Yen TJ, Earnshaw WC: Localization of CENP-E in the fibrous corona and outer plate of mamma-

lian kinetochores from prometaphase through anaphase 446 Cooke HJ → Warburton PE

Dalprà L → Villa N

De Lucchini S, Andronico F, Nardi I: Molecular structure of the rDNA intergenic spacer (IGS) in Triturus: implications for the hypervariability of rDNA loci 315

Demakova OV → Belyaeva ES Diez M → Casarégola S

Drosopoulou E, Tsiafouli M, Mavragani-Tsipidou P, Scouras ZG: The glutamate dehydrogenase, E74 and putative actin gene loci in the Drosophila montium subgroup. Chromosomal homologies among the montium species and D. melanogaster

Drouin R, Boutouil M, Fetni R, Holmquist GP, Scott P, Richer C-L, Lemieux N: DNA replication asynchrony between the paternal and maternal alleles of imprinted genes does not straddle the R/G transition

Earnshaw WC → Cooke CA Earnshaw WC → Fisher AM Egertová M → Glyn MCP Eisenhour L → Ren X-j Elke C → Stocker AJ

Fackelmayer FO → Neri LM

Fajkus J → Matyášek R Felger I → Wisotzkey RG Ferguson-Smith MA → Yang F Fetni R → Drouin R Feynerol C → Casarégola S Fisher AM, Al-Gazali L, Pramathan T, Quaife R, Cockwell AE, Barber JCK, Earnshaw WC, Axelman J, Migeon BR, Tyler-Smith C: Centromeric inactivation in a dicentric human Y;21 translocation chromosome 199

Folle GA, Boccardo E, Obe G: Localization of chromosome breakpoints induced by DNase I in Chinese hamster ovary (CHO) cells 391

Fournier P → Casarégola S

Fritzler MJ → Whitehead CM Frönicke L, Müller-Navia J, Romanakis K, Scherthan H: Chromosomal homeologies between human, harbor seal (Phoca vitulina) and the putative ancestral carnivore karyotype revealed by Zoo-FISH 108

Fujiwara A, Abe S, Yamaha E, Yamazaki F, Yoshida MC: Uniparental chromosome elimination in the early embryogenesis of the inviable salmonid hybrids between masu salmon female and rainbow trout male 44

Furuta K, Chan EKL, Kiyosawa K, Reimer G, Luderschmidt C, Tan EM: Heterochromatin protein  $HP1^{Hs\beta}$  (p25 $\beta$ ) and its localization with centromeres in mitosis

Gaillardin C → Casarégola S Galasso I, Blanco A, Katsiotis A, Pignone D, Heslop-Harrison JS: Genomic organization and phylogenetic relationships in the genus Dasypyrum analysed by Southern and in situ hybridization of total genomic and cloned DNA probes

García de la Vega C → Giménez-Abián JF Garkavtsev I, Mizukami T: Integrated map of the Schizosaccharomyces pombe genome 254

Gazdova B → Glyn MCP Gazdová B → Matyášek R Georgiev OG → Markova BA

Giménez-Abián JF, Clarke DJ, García de la Vega C, Giménez-Martín G: The role of sister chromatid cohesiveness and structure in meiotic behaviour 422

Giménez-Martín G → Giménez-Abián JF Glyn MCP, Egertová M, Gazdova B, Kovarik A, Bezdek M, Leitch AR: The influence of 5-azacytidine on the condensation of the short arm of rye chromosome 1R in Triticum aestivum L. root tip meristematic nuclei 485

Gögel E → Berger C Gorab E → Stocker AJ Grantcharova ML → Markova BA Grummt F → Berger C Grummt  $I \rightarrow$  Seither P Gvozdev VA → Tolchkov EV

Haaf T, Willard HF: Chromosome-specific α-satellite DNA from the centromere of chimpanzee chromosome 4 226

Hanada H → Miura I Hande MP → Slijepcevic P Hartl DL → Vieira J Heid H → Alsheimer M

Hendzel MJ, Bazett-Jones DP: Fixation-dependent organization of core histones following DNA fluorescent in situ hybridization 114

Hendzel MJ, Wei Y, Mancini MA, Van Hooser A, Ranalli T, Brinkley BR, Bazett-Jones DP, Allis CD: Mitosis-specific phosphorylation of histone H3 initiates

primarily within pericentromeric heterochromatin during G2 and spreads in an ordered fashion coincident with mitotic chromosome condensation 348

Heng HHQ → Moens PB
Hennig W → Akhmanova A
Herrera RE, Nordheim A, Stewart AF:
Chromatin structure analysis of the human c-fos promoter reveals a centrally positioned nucleosome 284
Heslop-Harrison JS → Galasso I

Hoffman N  $\rightarrow$  Ward JG Hoffman M  $\rightarrow$  Seither P Holmquist GP  $\rightarrow$  Drouin R Hong C-s  $\rightarrow$  Ren X-j Horlebein A  $\rightarrow$  Berger C

Houben A, Leach CR, Verlin D, Rofe R, Timmis JN: A repetitive DNA sequence common to the different B chromosomes of the genus *Brachycome* 513

Houben  $A \rightarrow Belyaev ND$ Hultén  $MA \rightarrow Barlow AL$ Hultén  $MA \rightarrow O'Keeffe C$ Hunt  $JA \rightarrow Wisotzkey RG$ 

Ichikawa Y  $\rightarrow$  Miura I Ide N  $\rightarrow$  Suzuki T Imamichi Y  $\rightarrow$  Alsheimer M

Karni RJ → Aquiles Sanchez J Kashiwagi A → Miura I Katsiotis A → Galasso I Kiyosawa K → Furuta K Kohwi-Shigematsu T → Neri LM Kolas N → Moens PB Koryakov DE → Belyaeva ES Kovarik A → Glyn MCP Kralewski M, Benavente R: XY body formation during rat spermatogenesis: an immunocytochemical study using antibodies against XY body-associated proteins 304

Kralewski M, Novello A, Benavente R: A novel Mr 77,000 protein of the XY body of mammalian spermatocytes: its localization in normal animals and in Searle's translocation carriers 160

Kramerova IA → Tolchkov EV

Lansdorp P → Slijepcevic P Larizza L → Villa N Lavrov SA → Tolchkov EV Leach CR → Houben A Lee Y → Ren X-j Leitch AR → Glyn MCP Lemieux N → Drouin R Lezzi M → Stocker AJ Lin CC → Yang F Losada A Abad IP Villacant

Losada A, Abad JP, Villasante A: Organization of DNA sequences near the centromere of the *Drosophila melanogaster Y* chromosome 503

Lozovskaya ER → Vieira J Luderschmidt C → Furuta K

Maccarone P → Toder R
Mancini MA → Hendzel MJ
Markova BA, Mironova RS, Grantcharova
ML, Georgiev OG, Semionov EP: Complex alterations of the ribosomal gene

spacers in mutant  $sc^8$  of *Drosophila melanogaster* 361

Marshall Graves JA → Toder R Martelli AM → Neri LM Mason JM → Biessmann H

Matyášek R, Gazdová B, Fajkus J, Bezděk M: NTRS, a new family of highly repetitive DNAs specific for the T1 chromosome of tobacco 369

Mavragani-Tsipidou P → Drosopoulou E McAllister BF, Werren JH: Hybrid origin of a B chromosome (PSR) in the parasitic wasp *Nasonia vitripennis* 243

McKee BD → Ren X-Miedema K → Akhmanova A Migeon BR → Fisher AM

Miller T → Aragón-Alcaide L Mironova RS → Markova BA

Miura I, Ohtani H, Hanada H, Ichikawa Y, Kashiwagi A, Nakamura M: Evidence for two successive pericentric inversions in sex lampbrush chromosomes of *Rana* rugosa (Anura: Ranidae) 178

Mizukami T → Garkavtsev I Moens PB, Chen DJ, Shen Z, Kolas N, Tarsounas M, Heng HHQ, Spyropoulos B: Rad51 immunocytology in rat and mouse spermatocytes and oocytes 207

Moore G → Aragón-Alcaide L Moses MJ → Tepperberg JH Moudrianakis EN → Akhmanova A Müller-Navia J → Frönicke L

Nakamura  $M \rightarrow Miura\ I$ Nardi  $I \rightarrow De\ Lucchini\ S$ Nath  $J \rightarrow Tepperberg\ JH$ Neitzel  $H \rightarrow Yang\ F$ Neri LM, Fackelmayer FO, Zweyer M, Kohwi-Shigematsu T, Martelli AM: Subnuclear localization of S/MARbinding proteins is differently affected by in vitro stabilization with heat or  $Cu^{2+}$ 

Nordheim A → Herrera RE Novello A → Kralewski M

Obe  $G \rightarrow Folle GA$ 

Ohtani H → Miura I
O'Brien PCM → Toder R
O'Brien PCM → Yang F
O'Keeffe C, Hultén MA, Tease C: Analysis
of proximal X chromosome pairing in
early female mouse meiosis 276

Park WJ  $\rightarrow$  Sharp EJ Pignone D  $\rightarrow$  Galasso I Pokholkova GV  $\rightarrow$  Belyaeva ES Pramathan T  $\rightarrow$  Fisher AM Preiss A  $\rightarrow$  Staiber W

Quaife  $R \rightarrow Fisher AM$ Ranalli  $T \rightarrow Hendzel MJ$ 

Rasheva VI → Tolchkov EV Rattner JB → Whitehead CM Reader S → Aragón-Alcaide L Reimer G → Furuta K Reimer SK, Buchman AR: Yeast silencers create domains of nuclease-resistant chromatin in an SIR4-dependent manner 136 Ren X-j, Eisenhour L, Hong C-s, Lee Y, McKee BD: Roles of rDNA spacer and transcription unit-sequences in X-Y meiotic chromosome pairing in Drosophila melanogaster males 29 Richer C-L → Drouin R Richler C → Ayoub N Rofe R → Houben A Romanakis K → Frönicke L

Schaar B → Cooke CA
Scherthan H → Frönicke L
Schubert I → Belyaev ND
Scott P → Drouin R
Scouras ZG → Drosopoulou E
Seither P, Zatsepina O, Hoffmann M,
Grummt I: Constitutive and strong association of PAF53 with RNA polymerase I
216

Semionov EP → Markova BA
Sharp EJ, Abramova NA, Park WJ, Adler
PN: The conserved HR domain of the
Drosophila Suppressor 2 of zeste
[Su(z)2] and murine bmi-1 proteins constitutes a locus-specific chromosome
binding domain 70

Shen Z → Moens PB Slijepcevic P, Hande MP, Bouffler SD, Lansdorp P, Bryant PE: Telomere length, chromatin structure and chromosome fusigenic potential 413

Spyropoulos B → Moens PB
Staiber W, Wech I, Preiss A: Isolation and chromosomal localization of a germ line-specific highly repetitive DNA family in *Acricotopus lucidus* (Diptera, Chironomidae) 267

Stewart AF → Herrera RE
Stocker AJ, Amabis JM, Gorab E, Elke C,
Lezzi M: Antibodies against the D-domain of a *Chironomus* ecdysone receptor
protein react with DNA puff sites in *Trichosia pubescens* 456

Suzuki T, Ide N, Tanaka I: Immunocytochemical visualization of the centromeres during male and female meiosis in *Lilium* longiflorum 435

Tan EM  $\rightarrow$  Furuta K Tanaka I  $\rightarrow$  Suzuki T Tarsounas M  $\rightarrow$  Moens PB Tease C  $\rightarrow$  O'Keeffe C

Tepperberg JH, Moses MJ, Nath J: Colchicine effects on meiosis in the male mouse. I. Meiotic prophase: synaptic arrest, univalents, loss of damaged spermatocytes and a possible checkpoint at pachytene 183

Timmis JN → Houben A

Toder R, Wienberg J, Voullaire L, O'Brien
PCM, Maccarone P, Marshall Graves JA:
Shared DNA sequences between the X
and Y chromosomes in the tammar wallaby – evidence for independent additions
to eutherian and marsupial sex chromosomes 94

Tolchkov EV, Kramerova IA, Lavrov SA, Rasheva VI, Bonaccorsi S, Alatortsev VE, Gvozdev VA: Position-effect variegation in *Drosophila melanogaster X* chromosome inversion with a breakpoint in a satellite block and its suppression in a secondary rearrangement 520 Tsiafouli  $M \to Drosopoulou \ E$  Tyler-Smith  $C \to Fisher \ AM$ 

Van Hooser A → Hendzel MJ
Verlin D → Houben A
Vieira CP → Vieira J
Vieira J, Vieira CP, Hartl DL, Lozovskaya
ER: A framework physical map of *Drosophila virilis* based on P1 clones: applications in genome evolution 99

Villa N, Dalprà L, Larizza L: Expression of three rare fragile sites: chromosomal truncation, amplification of distal segment and telomeric renewal 400

Villasante A  $\rightarrow$  Losada A Voullaire L  $\rightarrow$  Toder R

Wahrman J → Ayoub N Wallace BMN → Wallace H Wallace H, Wallace BMN, Badawy GMI: Lampbrush chromosomes and chiasmata of sex-reversed crested newts 526 Wang  $Y \rightarrow Akhmanova A$ Wangh  $LJ \rightarrow Aquiles Sanchez J$ 

Warburton PE, Čooke HJ: Hamster chromosomes containing amplified human α-satellite DNA show delayed sister chromatid separation in the absence of de novo kinetochore formation 149

Ward JG, Blomberg P, Hoffman N, Yao M-C: The intranuclear organization of normal, hemizygous and excision-deficient rRNA genes during developmental amplification in *Tetrahymena thermophila* 233

Wech I → Staiber W
Wei Y → Hendzel MJ
Werren JH → McAllister BF
Whitehead CM, Winkfain BI

Whitehead CM, Winkfein RJ, Fritzler MJ, Rattner JB: ASE-1: a novel protein of the fibrillar centres of the nucleolus and nucleolus organizer region of mitotic chromosomes 493

Wienberg  $J \rightarrow Toder R$ Wienberg  $J \rightarrow Yang F$ Willard  $HF \rightarrow Haaf T$  Winkfein RJ → Whitehead CM Wisotzkey RG, Felger I, Hunt JA: Biogeographic analysis of the *Uhu* and *LOA* elements in the Hawaiian *Drosophila* 465

Yamaha E → Fujiwara A
Yamazaki F → Fujiwara A
Yang F, O'Brien PCM, Wienberg J, Neitzel
H, Lin CC, Ferguson-Smith MA: Chromosomal evolution of the Chinese muntjac (Muntiacus reevesi) 37
Yao M-C → Ward JG
Yen TJ → Cooke CA
Yoshida MC → Fujiwara A

Zatsepina  $O \rightarrow Seither P$ Zhimulev IF  $\rightarrow Belyaeva ES$ Zweyer M  $\rightarrow Neri LM$ 

Indexed in Current Contents